



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,246	12/22/2003	William J. Garrison	BCS03192	6962
43471	7590	07/06/2010		
Motorola, Inc. Law Department 1303 East Algonquin Road 3rd Floor Schaumburg, IL 60196				
EXAMINER				
TEKLE, DANIEL T				
ART UNIT		PAPER NUMBER		
2621				
NOTIFICATION DATE		DELIVERY MODE		
07/06/2010		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docketing.US@motorola.com

Office Action Summary

Application No.

10/743,246

Applicant(s)

GARRISON ET AL.

Examiner

DANIEL TEKLE

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on March 24, 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/CD)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Argument

Applicant's arguments filed March 24, 2010 have been fully considered but they are not persuasive.

- Applicant argument regarding claim 1 limitation: the examiner respectfully disagrees with applicant position. As discussed in non-final office action paragraph 0102 discloses a live recording video signal which is video data have not stored yet; Fig. 12a-12e and fig. 13a-13c shows storage status which includes capacity of the storage, recorded program, remaining space.... The reference obviously discloses ever limitation of the claim. Therefore as whole of Ficco discloser, the examiner maintains that Ficco et al. more than adequately provides support for the claimed limitations. Further for the new added limitation see the new cited paragraph below.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6 and 8-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Ficco et al. (US 2002/0054750).

Regarding claim 1: Ficco et al discloses a method of representing allocation of storage unit capacity within an audio/video (AV) recording device, comprising: identifying a quantity of AV program data stored on said storage unit (**paragraph 0100**); obtaining a storage schedule for new AV program data to be stored on said storage unit in a predetermined period of time (paragraph 0102, 0123 and fig. 21a), comprising of the first AV program data and the second different AV program data defined over a predetermined time period (**paragraph 0116 and Fig. 21b**); obtaining a deletion schedule for a plurality of old AV program data stored in the storage unit defined over predetermined time period (**paragraph 0123-0124 and Fig. 21b**); and producing temporally dynamic indicia representative of allocation of capacity of storage unit over predetermined time period in response to said quantity of AV program data, storage schedule, and deletion schedule (**paragraph 0106, 0116 and 0123-0124**), wherein predetermined time period is a future of time period from a current time of identifying a quantity of AV program data stored on storage unit. (**paragraph 0123-0124 and fig. 21a-c**).

Regarding claim 2: Ficco et al discloses a method of claim 1, further comprising: displaying a pictorial representation of said temporally dynamic indicia on a display device in communication with said AV recording device (**figure 12a-c**).

Regarding claim 3: Ficco et al discloses a method of claim 1, wherein step of producing comprises: (a) selecting a time (**paragraph 0123**); (b) determining a storage

configuration of storage unit in response to quantity of AV program data, storage schedule, and deletion schedule at selected time (**paragraph 0123-0124**); (c) repeating steps (a) and (b) to determine a plurality of storage configurations for a respective plurality of times (**paragraph 0123-0124**); and (d) combining plurality of storage configurations to form said temporally dynamic indicia (**paragraph 0116 and figure 12a-c**).

Regarding claim 4: Ficco et al discloses a method of claim 3, further comprising: successively displaying pictorial representations of plurality of storage configurations on a display device in communication with said AV recording device to define a graphical animation (**figure 12**).

Regarding claim 5: Ficco et al discloses a method of claim 4, wherein graphical animation comprises a pie chart (**paragraph 0107 and figure 12**).

Regarding claim 6: Ficco et al discloses a method of claim 1, further comprising: modifying a recording configuration of AV recording device in response to temporally dynamic indicia (**paragraph 0123-0124 and figure 12**); and re-producing temporally dynamic indicia in response to modified recording configuration (**figure 12**).

Regarding claim 8: Ficco et al discloses a method of claim 6, wherein step of modifying comprises: deleting an AV program stored on storage device (**paragraph 0116**).

Regarding claim 9: Ficco et al discloses a method of claim 6, wherein step of modifying comprises: archiving an AV program stored on storage device (**paragraph 0124**).

Regarding claim 10: Claim 10 rejected for the same subject matter as claim 1.

Regarding claims 11-13: Claims 11-13 are rejected for the same subject matter as claim 4-6 respectively.

Regarding claims 14-20: Claims 14-20 are rejected for the same subject matter as claim 1-2 and 5-9 respectively.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 7 rejected under 35 U.S.C. 103(a) as being unpatentable over Ficco et al. as applied to claim 1-6 above, and further in view of Kaneko et al. (US 6,671,454).

Regarding claim 7: Ficco et al discloses all a method claim 6 limitation, further Kaneko et al. discloses the step of modifying comprises at least of: increasing compression ratio of an AV program stored on storage unit (**Fig. 14**); and increasing compression ratio of an AV program scheduled for storage on storage unit (**Fig. 14**).

It would have been obvious to one ordinary skill in the art at the time of the invention was made to combine Kaneko et al. invention into Ficco et al. in order to free storage space for further AV data recording.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL TEKLE whose telephone number is (571)270-1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00 Every other Friday..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on 571-272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Marsha D. Banks-Harold/
Supervisory Patent Examiner, Art Unit 2621

/Daniel Tekle/
Examiner, Art Unit 2621